

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

HATAKENAKA et al.

Application No.: Unassigned Art Unit: Unassigned

Filed: June 4, 2001 Examiner: Unassigned

For: SEMICONDUCTOR  
INTEGRATED CIRCUIT  
DEVICE COMPRISING  
SYNCHRONOUS DRAM  
CORE AND LOGIC  
CIRCUIT INTEGRATED  
INTO A SINGLE CHIP  
AND METHOD OF  
TESTING THE  
SYNCHRONOUS DRAM  
CORE

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D. C. 20231

Dear Sir:

Prior to the examination of the above-identified patent application, please enter the following amendments and consider the following remarks.

06/19/01 09:23:40

## IN THE TITLE

Replace the title with:

SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE COMPRISING RAM WITH  
COMMAND DECODE SYSTEM AND LOGIC CIRCUIT INTEGRATED INTO A  
SINGLE CHIP AND TESTING METHOD OF THE RAM WITH COMMAND DECODE  
SYSTEM

## IN THE CLAIMS

Replace the indicated claims with:

5. (Amended) The semiconductor integrated circuit device according to claim 1  
further comprising:

external input terminal means for transmitting external control signals for said  
synchronous dynamic random access memory;

synchronizing means for receiving the external control signals from said external  
input terminal means and outputting external control signals synchronized with a clock  
signal of said semiconductor integrated circuit;

a command decoder for decoding the external control signals received from said  
synchronizing means into a first group of internal control signals for controlling said core  
unit of said synchronous dynamic random access memory; and

select means for supplying internal control signals to said core unit of said  
synchronous dynamic random access memory, the internal control signals being obtained  
by selecting either the first group of internal control signals received from said command  
decoder or a second group of internal control signals received from said synchronous  
dynamic random access memory control circuit, wherein said select means has a first  
mode selecting the first group of signals received from said command decoder and a  
second mode selecting the second group of signals received from said synchronous  
dynamic random access memory control circuit.

6. (Amended) The semiconductor integrated circuit device according to claim 1 further comprising:

external input terminal means for transmitting external control signals for said synchronous dynamic random access memory;

a command decoder for decoding the external control signals received from said external input terminal means into internal control signals for controlling said core unit of said synchronous dynamic random access memory;

synchronizing means receiving the internal control signals from said command decoder for outputting a first group of internal control signals synchronized with a clock signal of said semiconductor integrated circuit; and

select means for supplying the internal control signals to said core unit of said synchronous dynamic random access memory, the internal control signals being obtained by selecting either the first group of internal control signals received from said synchronizing means or a second group of internal control signals received from said synchronous dynamic random access memory control circuit, wherein said select means has a first mode selecting the first signals received from said synchronizing means and a second mode selecting the second signals received from said synchronous dynamic random access memory control circuit.

7. (Amended) A method for testing a semiconductor integrated circuit device, said test method including:

a logic circuit and a synchronous dynamic random access memory including a core unit, said logic circuit and said synchronous dynamic random access memory being integrated into a single semiconductor chip; and

providing external test signals through external input terminal means to a selector;  
providing internal control signals from a synchronous dynamic random access memory control circuit to a selector; and

selecting said external test signals from said external input terminal means, using said selector, for providing the selected signals to a core unit of said synchronous dynamic random access memory for testing.

9. (Amended) The method for testing a semiconductor integrated circuit device according to claim 7, wherein the external test signals are external control signals for said core unit of said synchronous dynamic random access memory, and are decoded by a decoder to be the internal control signals provided to said selector.

Add the following claims:

10. (New) A semiconductor integrated circuit device comprising:

a logic circuit and a random access memory with a command decode system including a core unit, said logic circuit and said random access memory with a command decode system being integrated into a single semiconductor chip; and

a random access memory with a command decode system receiving external control signals for said random access memory with a command decode system from said logic circuit, and outputting signals to said core unit of said random access memory with a command decode system wherein the output signals from said random access memory with a command decode system are internal control signals for controlling said core unit of said random access memory with a command decode system.

11. (New) The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting a first group of internal control signals for said random access memory with a command decode system; and

select means for supplying internal control signals to said core unit of said random access memory with a command decode system, said internal control signals being obtained by selecting either the first group of internal control signals received from said external input terminal means or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first group of signals received from said external input terminals for testing said semiconductor integrated circuit device with the first group of signals, and a second mode selecting the second group of signals received from said random access memory with a command decode system.

12. (New) The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting internal control signals for said random access memory with a command decode system;

synchronizing means for receiving the internal control signals from said external input terminal means and outputting a first group of internal control signals synchronized with a clock signal of said semiconductor integrated circuit; and

select means for supplying internal control signals to said core unit of said random access memory with a command decode system, said internal control signals being obtained by selecting either the first group of internal control signals received from said synchronizing means or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first group of signals received from said synchronizing means, and a second mode selecting the second group of signals received from said random access memory with a command decode system.

13. (New) The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting external control signals for said random access memory with a command decode system;

a command decoder for decoding the external control signals received from said external input terminal means into a first group of internal control signals for controlling said core unit of said random access memory with a command decode system; and

select means for supplying internal control signals to said core unit of said random access memory with a command decode system, the internal control signals being obtained by selecting either the first group of internal control signals received from said command decoder or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first group of signals received from said command decoder, and a second mode for selecting the second group of signals received from said random access memory with a command decode system.

14. (New) The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting external control signals for said random access memory with a command decode system;

synchronizing means for receiving the external control signals from said external input terminal means and outputting external control signals synchronized with a clock signal of said semiconductor integrated circuit;

a command decoder for decoding the external control signals received from said synchronizing means into a first group of internal control signals for controlling said core unit of said random access memory with a command decode system; and

select means for supplying internal control signals to said core unit of said random access memory with a command decode system, the internal control signals being obtained by selecting either the first group of internal control signals received from said command decoder or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first group of signals received from said command decoder and a second mode selecting the second group of signals received from said random access memory with a command decode system.

15. (New) The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting external control signals for said random access memory with a command decode system;

a command decoder for decoding the external control signals received from said external input terminal means into internal control signals for controlling said core unit of said random access memory with a command decode system;

synchronizing means receiving the internal control signals from said command decoder for outputting a first group of internal control signals synchronized with a clock signal of said semiconductor integrated circuit; and

select means for supplying the internal control signals to said core unit of said random access memory with a command decode system, the internal control signals being obtained by selecting either the first group of internal control signals received from said synchronizing means or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first signals received from said synchronizing means and a second mode selecting the second signals received from said random access memory with a command decode system.

16. (New) A method for testing a semiconductor integrated circuit device, said test method including:

a logic circuit and a random access memory with a command decode system including a core unit, said logic circuit and said random access memory with a command decode system being integrated into a single semiconductor chip; and

providing external test signals through external input terminal means to a selector; providing internal control signals from a random access memory with a command decode system to a selector; and

selecting said external test signals from said external input terminal means, using said selector, for providing the selected signals to a core unit of said random access memory with a command decode system for testing.

17. (New) The method for testing a semiconductor integrated circuit device according to claim 16, wherein the external test signals are internal control signals for testing said core unit of said random access memory with a command decode system.

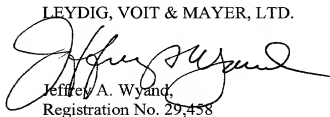
18. (New) The method for testing a semiconductor integrated circuit device according to claim 16, wherein the external test signals are external control signals for said core unit of said random access memory with a command decode system, and are decoded by a decoder to be the internal control signals provided to said selector.

**REMARKS**

The added claims more completely claim the subject matter disclosed in the patent. Support for the added claims is found in the description of the first, fourth, and sixth embodiments and the description in column 13, lines 62-65. The amendments to claims 5-7 and 9 correct obvious informalities.

Respectfully submitted,

LEYDIG, VOIT & MAYER, LTD.



Jeffrey A. Wyand,  
Registration No. 29,458

Suite 300  
700 Thirteenth Street, N. W.  
Washington, D. C. 20005  
Telephone: (202) 737-6770  
Facsimile: (202) 737-6776  
Date: June 4, 2001  
JAW:cmg



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For: SEMICONDUCTOR  
INTEGRATED  
CIRCUIT DEVICE  
COMPRISING  
SYNCHRONOUS  
DRAM CORE AND  
LOGIC CIRCUIT  
INTEGRATED INTO  
A SINGLE CHIP AND  
METHOD OF  
TESTING THE  
SYNCHRONOUS  
DRAM CORE

SPECIFICATION, CLAIMS AND  
ABSTRACT AS PRELIMINARILY AMENDED

Amendments to the existing claims:

5. (Amended) [A]The semiconductor integrated circuit device according to claim 1 further comprising:

external input terminal means for transmitting external control signals for said synchronous dynamic random access memory;

synchronizing means for receiving the external control signals from said external input terminal means and outputting external control signals synchronized with a clock signal of said semiconductor integrated circuit; [and]

a command decoder for decoding the external control signals received from said synchronizing means into a first group of internal control signals for controlling said core unit of said synchronous dynamic random access memory; and

select means for supplying internal control signals to said core unit of said synchronous dynamic random access memory, the internal control signals being obtained by selecting either the first group of internal control signals received from said command decoder or a second group of internal control signals received from said synchronous dynamic random access memory control circuit, wherein said select means has a first mode selecting the first group of signals received from said command decoder and a second mode selecting the second group of signals received from said synchronous dynamic random access memory control circuit.

6. (Amended) The semiconductor integrated circuit device according to claim 1 further comprising:

external input terminal means for transmitting external control signals for said synchronous dynamic random access memory;

a command decoder for decoding the external control signals received from said external input terminal means into internal control signals for controlling said core unit of said synchronous dynamic [internal control signals] random access memory;

[a] synchronizing means receiving the internal control signals from said command decoder for outputting a first group of internal control signals synchronized with a clock signal of said semiconductor integrated circuit; and

select means for supplying the internal control signals to said core unit of said synchronous dynamic random access memory, the internal control signals being obtained by selecting either the first group of internal control signals received from said synchronizing means or a second group of internal control signals received from said synchronous dynamic random access memory control circuit, wherein said select means has a first mode selecting the first signals received from said synchronizing means and a second mode selecting the second signals received from said synchronous dynamic random access memory control circuit.

7. (Amended) A method for testing a semiconductor integrated circuit device,  
said test method including [the steps of comprising]:

a logic circuit and a synchronous dynamic random access memory including a  
core unit, said logic circuit and said synchronous dynamic random access memory being  
integrated into a single semiconductor chip; and

providing external test signals through external input terminal means to a selector;

providing internal control signals from a synchronous dynamic random access  
memory control circuit to a selector; and

selecting said external test signals from said external input terminal means, using  
said selector, for providing the selected signals to a core unit of said synchronous  
dynamic random access memory for testing.

9. (Amended) The method for testing a semiconductor integrated circuit device  
according to claim 7, wherein the external test signals are external control signals for said  
core unit of said synchronous dynamic random access memory, and [is] are decoded by a  
decoder to be the internal control signals provided to said selector.

Add the following claims:

10. (New) A semiconductor integrated circuit device comprising:  
a logic circuit and a random access memory with a command decode system  
including a core unit, said logic circuit and said random access memory with a command  
decode system being integrated into a single semiconductor chip; and  
a random access memory with a command decode system receiving external  
control signals for said random access memory with a command decode system from said  
logic circuit, and outputting signals to said core unit of said random access memory with  
a command decode system wherein the output signals from said random access memory  
with a command decode system are internal control signals for controlling said core unit  
of said random access memory with a command decode system.

11. (New) The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting a first group of internal control signals for said random access memory with a command decode system; and

select means for supplying internal control signals to said core unit of said random access memory with a command decode system, said internal control signals being obtained by selecting either the first group of internal control signals received from said external input terminal means or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first group of signals received from said external input terminals for testing said semiconductor integrated circuit device with the first group of signals, and a second mode selecting the second group of signals received from said random access memory with a command decode system.

12. (New) The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting internal control signals for said random access memory with a command decode system;

synchronizing means for receiving the internal control signals from said external input terminal means and outputting a first group of internal control signals synchronized with a clock signal of said semiconductor integrated circuit; and

select means for supplying internal control signals to said core unit of said random access memory with a command decode system, said internal control signals being obtained by selecting either the first group of internal control signals received from said synchronizing means or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first group of signals received from said synchronizing means, and a second mode selecting the second group of signals received from said random access memory with a command decode system.

13. (New) The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting external control signals for said random access memory with a command decode system;

a command decoder for decoding the external control signals received from said external input terminal means into a first group of internal control signals for controlling said core unit of said random access memory with a command decode system; and

select means for supplying internal control signals to said core unit of said random access memory with a command decode system, the internal control signals being obtained by selecting either the first group of internal control signals received from said command decoder or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first group of signals received from said command decoder, and a second mode for selecting the second group of signals received from said random access memory with a command decode system.

14. (New) The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting external control signals for said random access memory with a command decode system;

synchronizing means for receiving the external control signals from said external input terminal means and outputting external control signals synchronized with a clock signal of said semiconductor integrated circuit;

a command decoder for decoding the external control signals received from said synchronizing means into a first group of internal control signals for controlling said core unit of said random access memory with a command decode system; and

select means for supplying internal control signals to said core unit of said random access memory with a command decode system, the internal control signals being obtained by selecting either the first group of internal control signals received from said command decoder or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a

first mode selecting the first group of signals received from said command decoder and a second mode selecting the second group of signals received from said random access memory with a command decode system.

15. (New) The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting external control signals for said random access memory with a command decode system;

a command decoder for decoding the external control signals received from said external input terminal means into internal control signals for controlling said core unit of said random access memory with a command decode system;

synchronizing means receiving the internal control signals from said command decoder for outputting a first group of internal control signals synchronized with a clock signal of said semiconductor integrated circuit; and

select means for supplying the internal control signals to said core unit of said random access memory with a command decode system, the internal control signals being obtained by selecting either the first group of internal control signals received from said synchronizing means or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first signals received from said synchronizing means and a second mode selecting the second signals received from said random access memory with a command decode system.

16. (New) A method for testing a semiconductor integrated circuit device, said test method including:

a logic circuit and a random access memory with a command decode system including a core unit, said logic circuit and said random access memory with a command decode system being integrated into a single semiconductor chip; and

providing external test signals through external input terminal means to a selector; providing internal control signals from a random access memory with a command decode system to a selector; and

selecting said external test signals from said external input terminal means, using said selector, for providing the selected signals to a core unit of said random access memory with a command decode system for testing.

17. (New) The method for testing a semiconductor integrated circuit device according to claim 16, wherein the external test signals are internal control signals for testing said core unit of said random access memory with a command decode system.

18. (New) The method for testing a semiconductor integrated circuit device according to claim 16, wherein the external test signals are external control signals for said core unit of said random access memory with a command decode system, and are decoded by a decoder to be the internal control signals provided to said selector.

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HATAKENAKA et al.

Application No.: Unassigned                      Art Unit:      Unassigned

Filed:                      June 4, 2001                      Examiner:      Unassigned

For:                      SEMICONDUCTOR  
                             INTEGRATED  
                             CIRCUIT DEVICE  
                             COMPRISING  
                             SYNCHRONOUS  
                             DRAM CORE AND  
                             LOGIC CIRCUIT  
                             INTEGRATED INTO  
                             A SINGLE CHIP AND  
                             METHOD OF  
                             TESTING THE  
                             SYNCHRONOUS  
                             DRAM CORE

**CLAIMS PENDING AFTER PRELIMINARY AMENDMENT**

1. A semiconductor integrated circuit device comprising:  
a logic circuit and a synchronous dynamic random access memory including a core unit, said logic circuit and said synchronous dynamic random access memory being integrated into a single semiconductor chip; and  
a synchronous dynamic random access memory control circuit receiving external control signals for said synchronous dynamic random access memory from said logic circuit, and outputting signals to said core unit of said synchronous dynamic random access memory wherein the output signals from said synchronous dynamic random access memory control circuit are internal control signals for controlling said core unit of said synchronous dynamic random access memory.



2. The semiconductor integrated circuit device according to claim 1 further comprising:

external input terminal means for transmitting a first group of internal control signals for said synchronous dynamic random access memory; and

select means for supplying internal control signals to said core unit of said synchronous dynamic random access memory, said internal control signals being obtained by selecting either the first group of internal control signals received from said external input terminal means or a second group of internal control signals received from said synchronous dynamic random access memory control circuit wherein said select means has a first mode selecting the first group of signals received from said external input terminals for testing said semiconductor integrated circuit device with the first group of signals, and a second mode selecting the second group of signals received from said synchronous dynamic random access memory control circuit.

3. The semiconductor integrated circuit device according to claim 1 further comprising:

external input terminal means for transmitting internal control signals for said synchronous dynamic random access memory;

synchronizing means for receiving the internal control signals from said external input terminal means and outputting a first group of internal control signals synchronized with a clock signal of said semiconductor integrated circuit; and

select means for supplying internal control signals to said core unit of said synchronous dynamic random access memory, said internal control signals being obtained by selecting either the first group of internal control signals received from said synchronizing means or a second group of internal control signals received from said synchronous dynamic random access memory control circuit wherein said select means has a first mode selecting the first group of signals received from said synchronizing means, and a second mode selecting the second group of signals received from said synchronous dynamic random access memory control circuit.

4. The semiconductor integrated circuit device according to claim 1 further comprising:

external input terminal means for transmitting external control signals for said synchronous dynamic random access memory;

a command decoder for decoding the external control signals received from said external input terminal means into a first group of internal control signals for controlling said core unit of said synchronous dynamic random access memory; and

select means for supplying internal control signals to said core unit of said synchronous dynamic random access memory, the internal control signals being obtained by selecting either the first group of internal control signals received from said command decoder or a second group of internal control signals received from said synchronous dynamic random access memory control circuit, wherein said select means has a first mode selecting the first group of signals received from said command decoder, and a second mode for selecting the second group of signals received from said synchronous dynamic random access memory control circuit.

5. The semiconductor integrated circuit device according to claim 1 further comprising:

external input terminal means for transmitting external control signals for said synchronous dynamic random access memory;

synchronizing means for receiving the external control signals from said external input terminal means and outputting external control signals synchronized with a clock signal of said semiconductor integrated circuit;

a command decoder for decoding the external control signals received from said synchronizing means into a first group of internal control signals for controlling said core unit of said synchronous dynamic random access memory; and

select means for supplying internal control signals to said core unit of said synchronous dynamic random access memory, the internal control signals being obtained by selecting either the first group of internal control signals received from said command decoder or a second group of internal control signals received from said synchronous dynamic random access memory control circuit, wherein said select means has a first

mode selecting the first group of signals received from said command decoder and a second mode selecting the second group of signals received from said synchronous dynamic random access memory control circuit.

6. The semiconductor integrated circuit device according to claim 1 further comprising:

external input terminal means for transmitting external control signals for said synchronous dynamic random access memory;

a command decoder for decoding the external control signals received from said external input terminal means into internal control signals for controlling said core unit of said synchronous dynamic random access memory;

a synchronizing means receiving the internal control signals from said command decoder for outputting a first group of internal control signals synchronized with a clock signal of said semiconductor integrated circuit; and

select means for supplying the internal control signals to said core unit of said synchronous dynamic random access memory, the internal control signals being obtained by selecting either the first group of internal control signals received from said synchronizing means or a second group of internal control signals received from said synchronous dynamic random access memory control circuit, wherein said select means has a first mode selecting the first signals received from said synchronizing means and a second mode selecting the second signals received from said synchronous dynamic random access memory control circuit.

7. A method for testing a semiconductor integrated circuit device, said test method including:

a logic circuit and a synchronous dynamic random access memory including a core unit, said logic circuit and said synchronous dynamic random access memory being integrated into a single semiconductor chip; and

providing external test signals through external input terminal means to a selector;

providing internal control signals from a synchronous dynamic random access memory control circuit to a selector; and

selecting said external test signals from said external input terminal means, using said selector, for providing the selected signals to a core unit of said synchronous dynamic random access memory for testing.

8. The method for testing a semiconductor integrated circuit device according to claim 7, wherein the external test signals are internal control signals for testing said core unit of said synchronous dynamic random access memory.

9. The method for testing a semiconductor integrated circuit device according to claim 7, wherein the external test signals are external control signals for said core unit of said synchronous dynamic random access memory, and are decoded by a decoder to be the internal control signals provided to said selector.

10. A semiconductor integrated circuit device comprising:

a logic circuit and a random access memory with a command decode system including a core unit, said logic circuit and said random access memory with a command decode system being integrated into a single semiconductor chip; and

a random access memory with a command decode system receiving external control signals for said random access memory with a command decode system from said logic circuit, and outputting signals to said core unit of said random access memory with a command decode system wherein the output signals from said random access memory with a command decode system are internal control signals for controlling said core unit of said random access memory with a command decode system.

11. The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting a first group of internal control signals for said random access memory with a command decode system; and

select means for supplying internal control signals to said core unit of said random access memory with a command decode system, said internal control signals being obtained by selecting either the first group of internal control signals received from said

external input terminal means or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first group of signals received from said external input terminals for testing said semiconductor integrated circuit device with the first group of signals, and a second mode selecting the second group of signals received from said random access memory with a command decode system.

12. The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting internal control signals for said random access memory with a command decode system;

synchronizing means for receiving the internal control signals from said external input terminal means and outputting a first group of internal control signals synchronized with a clock signal of said semiconductor integrated circuit; and

select means for supplying internal control signals to said core unit of said random access memory with a command decode system, said internal control signals being obtained by selecting either the first group of internal control signals received from said synchronizing means or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first group of signals received from said synchronizing means, and a second mode selecting the second group of signals received from said random access memory with a command decode system.

13. The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting external control signals for said random access memory with a command decode system;

a command decoder for decoding the external control signals received from said external input terminal means into a first group of internal control signals for controlling said core unit of said random access memory with a command decode system; and

select means for supplying internal control signals to said core unit of said random access memory with a command decode system, the internal control signals being obtained by selecting either the first group of internal control signals received from said command decoder or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first group of signals received from said command decoder, and a second mode for selecting the second group of signals received from said random access memory with a command decode system.

14. The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting external control signals for said random access memory with a command decode system;

synchronizing means for receiving the external control signals from said external input terminal means and outputting external control signals synchronized with a clock signal of said semiconductor integrated circuit;

a command decoder for decoding the external control signals received from said synchronizing means into a first group of internal control signals for controlling said core unit of said random access memory with a command decode system; and

select means for supplying internal control signals to said core unit of said random access memory with a command decode system, the internal control signals being obtained by selecting either the first group of internal control signals received from said command decoder or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first group of signals received from said command decoder and a second mode selecting the second group of signals received from said random access memory with a command decode system.

15. The semiconductor integrated circuit device according to claim 10 further comprising:

external input terminal means for transmitting external control signals for said random access memory with a command decode system;

a command decoder for decoding the external control signals received from said external input terminal means into internal control signals for controlling said core unit of said random access memory with a command decode system;

synchronizing means receiving the internal control signals from said command decoder for outputting a first group of internal control signals synchronized with a clock signal of said semiconductor integrated circuit; and

select means for supplying the internal control signals to said core unit of said random access memory with a command decode system, the internal control signals being obtained by selecting either the first group of internal control signals received from said synchronizing means or a second group of internal control signals received from said random access memory with a command decode system, wherein said select means has a first mode selecting the first signals received from said synchronizing means and a second mode selecting the second signals received from said random access memory with a command decode system.

16. A method for testing a semiconductor integrated circuit device, said test method including:

a logic circuit and a random access memory with a command decode system including a core unit, said logic circuit and said random access memory with a command decode system being integrated into a single semiconductor chip; and

providing external test signals through external input terminal means to a selector; providing internal control signals from a random access memory with a command decode system to a selector; and

selecting said external test signals from said external input terminal means, using said selector, for providing the selected signals to a core unit of said random access memory with a command decode system for testing.

17. The method for testing a semiconductor integrated circuit device according to claim 16, wherein the external test signals are internal control signals for testing said core unit of said random access memory with a command decode system.

18. The method for testing a semiconductor integrated circuit device according to claim 16, wherein the external test signals are external control signals for said core unit of said random access memory with a command decode system, and are decoded by a decoder to be the internal control signals provided to said selector.



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re U. S. Patent 5,910,181 of:

HATAKENAKA et al.

Application No.: Unassigned

Art Unit: Unassigned

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Examiner: Unassigned

For: SEMICONDUCTOR INTEGRATED  
CIRCUIT COMPRISING SYNCHRON-  
OUS DRAM CORE AND LOGIC CIRCUIT  
INTEGRATED INTO A SINGLE CHIP AND  
METHOD OF TESTING THE SYNCHRON-  
OUS DRAM CORE

**REQUEST FOR TRANSFER OF DRAWINGS FOR REISSUE APPLICATION**

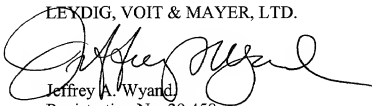
Commissioner for Patents  
Washington, D. C. 20231

Dear Sir:

In accordance with 37 C.F.R. §1.172, the Reissue Applicant requests that the drawings for United States Patent 5,910,181 corresponding to Application Serial Number 08/964,236, filed November 4, 1997, be transferred to the reissue patent application. Fifteen sheets of drawings are attached for examination purposes.

Respectfully submitted,

LEYDIG, VOIT & MAYER, LTD.



Jeffrey A. Wyand  
Registration No. 29,458

Suite 300  
700 Thirteenth Street, N. W.  
Washington, D. C. 20005  
Telephone: (202) 737-6770  
Facsimile: (202) 737-6776  
Date: June 4, 2001